

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE OP-ES		PAGE OF PAGES 1      20	
2. AMENDMENT/MOD NO. 6		3. EFFECTIVE DATE 10/8/09		4. REQUISITION/PURCHASE REQ. NO.		5. PROJECT NO 98600	
NASA Procurement Office, OP-ES John F. Kennedy Space Center Kennedy Space Center, FL 32899		CODE OP-ES		7. ADMINISTERED BY Same as Block 6		CODE OP-ES	
8. NAME AND ADDRESS OF CONTRACTOR (No. Street, County, State and ZIP Code)				(9)	9A. AMENDMENT OF SOLICITATION NO      NNNK09289054R		
				<input checked="" type="checkbox"/>	9B. DATED (SEE ITEM 11) 7/20/09		
				(10)	10A. MOD. OF CONTRACT/ORDER No		
				<input type="checkbox"/>	10B. DATED (SEE ITEM 13)		
CODE		FACILITY CODE					
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS							
<p>The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers IS NOT extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:</p> <p>(a) By completing Items 8 and 15, and returning one (1) copy of the amendment;  (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or  (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.</p>							
12. ACCOUNTING AND APPROPRIATION DATA (if required)							
<i>Financial Management</i>							
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.							
<input type="checkbox"/> A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.							
<input type="checkbox"/> B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).							
<input type="checkbox"/> C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:							
<input type="checkbox"/> D. OTHER (Specify type of modification and authority)							
IMPORTANT: Contractor (is or is not) required to sign this document and return ____ copies to the issuing office.							
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)							
Construction of Platforms in High Bay 3 of the Vehicle Assembly Building							
See next pages for continuation of Block 14.							
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.							
15A. NAME AND TITLE OF SIGNER (Type or print)				16A. NAME AND TITLE OF CONTRACTING OFFICER			
15B. CONTRACTOR/OFFEROR				16B. UNITED STATES OF AMERICA		16C. DATE SIGNED	
(Signature of person authorized to sign)				(Signature Of Contracting Officer)			
NSN 7540-01-152-8070 PREVIOUS EDITION UNUSABLE				30-105		STANDARD FORM 30 (REV. 10-83) ES Prescribed by GSA FAR (48 CFR) 53.243	

SF 30 Continuation Page

The purpose of this amendment is to amend solicitation, answer Bidder Questions, and amend contract drawings.

**Section 1 Amend Solicitation**

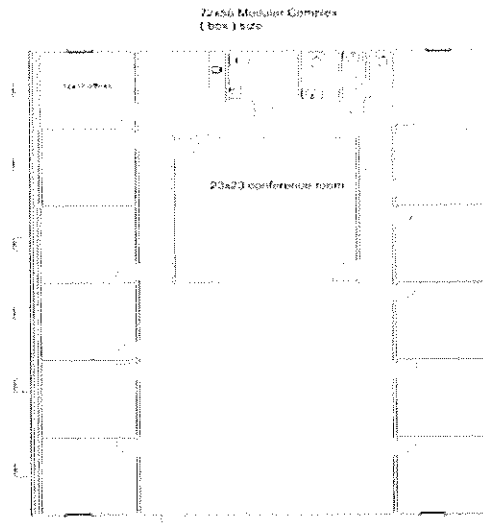
**Reference RFP Section J.1.B.13:**

**DELETE Section in its entirety and REPLACE with:**

**J.1.B.13      CONFERENCE SPACE/FIELD OFFICE FOR GOVERNMENT PERSONNEL**

The Contractor shall provide, within 30 days after Notice to Proceed, an office trailer or suitably constructed field office for approximately 25 Government staff and Inspection personnel. The office space shall be at least 4030 square feet and shall include a men's and a women's restroom, 12 enclosed (floor to ceiling walls with door) offices of approximately 12 feet by 12 feet in size, and an enclosed conference room of approximately 23 feet by 23 feet. The entire office facility will be uniformly illuminated to approximately 100 foot candles, and shall contain a heating and air conditioning system. The Contractor shall provide and install the necessary electrical connections from his temporary construction power source or other government designated source as well as provide access stairways and adequately sized landings to entrance and exit doors of the trailers. The Contractor shall provide janitorial services to clean and to stock restrooms clean the office areas and empty waste containers as necessary to maintain sanitary conditions. In no case shall the janitorial service be provided less than once per week, waste containers shall be emptied each work day. The Contractor shall provide the septic services and maintenance for the Government field office. The Contractor will not be required to furnish office furniture, computer, or telephone services. A layout of a facility that meets these space requirements is provided below. The office shall be located in the project Contractor Laydown area. The office shall remain the property of the Contractor and shall be removed by him including temporary electrical connections, upon final completion of work under this contract.

In addition to the space allocated above, the contractor shall also provide a conference area, either in a separate temporary facility, or as part of the contractors work area, to include a table and seating for 30 people.



## Section 2 Question and Answers

1. REFERENCE: H.12 KSC 52.242-90 - Controls Applicable to the Contractor's Activities (Page 37). KNPR 8715.3 Revision H, 3.5 Maximum Work Time (MWT), page 33, "Visiting employees (i.e., NASA and contractor) from other NASA Centers shall adhere to their centers MWT policies and requirements."

**QUESTION: Please confirm if the Maximum Work Time policy applies to all Contractors performing work on this project (i.e. General Contractor and Subcontractors)?**

**ANSWER: Yes, the maximum work time policy applies to all contractors performing work on this project.**

2. REFERENCE: H.12 KSC 52.242-90 - Controls Applicable to the Contractor's Activities (Page 37). KNPR 8715.3 Revision H, 8.9.1 - Policy Statement, item b (page 73). This policy is meant to strengthen existing fall protection programs, policies, and regulations. It does not replace OSHA regulations, NASA, KSC, or contractor safety programs requirements, except where this policy is more stringent. This policy does not attempt to repeat OSHA, but rather defines KSC's additional fall protection requirements. ANSI A92.2-2001 Vehicle Mounted Elevating and Rotating Work Platforms, ANSI Z359.0-2007 Definitions and Nomenclature Used for Fall Protection and Fall Arrest, ANSI Z359.1-2007 Safety Requirements for Personal Fall Arrest Systems, Subsystems, and Components will be followed, except where deemed inappropriate for the application by a qualified person.

**QUESTION: Please confirm if a single document exists for contractors to utilize as a reference to determine the fall protection compliance?**

**ANSWER: *No, a single fall protection compliance document does not exist.***

**QUESTION: Please confirm if the entire ANSI Z359 standard is to be utilized or only the Z359.0-2007 & ANSI Z359.1-2007 referenced standards when determining stringent requirements?**

**ANSWER: *Three standards are required to be used. They are actually ASSE documents and are ANSI approved. The ASSE numbers and titles are as follows: ASSE Z359.0 Definitions and Nomenclature Used for Fall Protection and Fall Arrest***

***ASSE Z359.1 Safety Requirements for Personal Fall Arrest Systems, Subsystems and Components***

***ASSE Z359.2 Minimum Requirements for a Comprehensive Managed Fall Protection Program***

3. **REFERENCE: H.12 KSC 52.242-90 - Controls Applicable to the Contractor's Activities (Page 37). KNPR 8715.3 Revision H, 8.9.1 - Policy Statement, item c (page 74). Kennedy Space Center Fall Protection Policy states that persons involved in activities on "any walking working surface where a person is exposed to a fall to a lower level of 4 feet or greater shall be provided with fall protection." Fall hazards lower than 4 feet require protection if the work is over an uncommon hazard (moving machinery, chemicals, electrical, impalement hazards, etc.).**

**QUESTION: Please confirm if the Kennedy Space Center Fall Protection Policy is available for review and provide location (i.e.website)?**

**ANSWER: *This policy can be accessed at the following website:***

***[http://tdglobal.ksc.nasa.gov/servlet/sm.web.Fetch/KNPR\\_8715\\_3.pdf?rhid=1000&id=7261&type=released](http://tdglobal.ksc.nasa.gov/servlet/sm.web.Fetch/KNPR_8715_3.pdf?rhid=1000&id=7261&type=released)***

4. **REFERENCE: RFP; Section H.12 KSC 52.242-90 - Controls Applicable to the Contractor's Activities (Page 37). KNPR 8715.3 Revision H, 8.9.3.2 – Qualified Person (page 78). A qualified person shall be formally identified by the Fall Protection Program Administrator. A qualified person shall support the program administrator, competent and authorized person, and the fall protection program by supplying technical information and serve as a subject matter expert.**

**QUESTION: Please confirm if the Qualified Person is required to be a Professional Engineer (P.E.)?**

**ANSWER:** *No, a Qualified Person is not required to be a Professional Engineer. See KNPR 8715.3 Section 8.9.3.2 for specific qualifications.*

**QUESTION:** Please confirm if NASA will approve the Qualified Person before accepting the prepared Plan?

**ANSWER:** *Yes, NASA will approve the Qualified Person before accepting the prepared Plan.*

**QUESTION:** Please confirm if the Qualified Person is required to be located continuously onsite in order to manage the Fall Protection Plan?

**ANSWER:** *No, the Qualified Person is not required to be located continuously onsite in order to manage the Fall Protection Plan.*

**QUESTION:** Please confirm if each lower Tier subcontractor will also be required to retain a qualified person?

**ANSWER:** *No, each lower Tier subcontractor is not required to retain a qualified person.*

5. REFERENCE: RFP; Section H.12 KSC 52.242-90 - Controls Applicable to the Contractor's Activities (Page 37). KNPR 8715.3 Revision H, 8.9.5.2 – Fall Arrest (page 78). Fall Arrest Systems shall be designed to meet the requirements set forth in the applicable OSHA subpart(s). ANSI Fall Protection Standards will be followed except where deemed inappropriate by a qualified person. Fall arrest systems shall be used and installed to reduce the free fall distance.

**QUESTION:** Please confirm which policy is required (OSHA or ANSI) as the information above requires fall arrest systems to be designed to meet OSHA subpart(s), however further states ANSI Fall Protection Standards will be followed?

**ANSWER:** *Adherence to both OSHA and ANSI policies are required.*

6. REFERENCE: RFP; Section H.12 KSC 52.242-90 - Controls Applicable to the Contractor's Activities (Page 37). KNPR 8715.3 Revision H, 8.9.5.4 – Fall Arrest (page 83). A personal fall arrest system shall be used in conjunction with a work positioning system. It shall be rigged so the employee shall not free fall more than 2 feet.

**QUESTION:** Please clarify if a work positioning system is required each time a Personal Fall Arrest System is utilized?

**ANSWER:** *If work positioning systems are used, personal fall arrest systems are required. Personal fall arrest systems can also be used for applications other than work positioning systems.*

7. REFERENCE: RFP; Section H.12 KSC 52.242-90 - Controls Applicable to the Contractor's Activities (Page 37). KNPR 8715.3 Revision H, 2.3.2 – Wind (page 26). Program/project or directorate organization shall establish wind restrictions based upon a safety engineering assessment of the following criteria 1) Personnel Exposure 2) Sail Areas 3) Mass 4) Wind Speed.

**QUESTION:** Please clarify if specific limitations have been established for the project?

**ANSWER:** *The standard KSC wind limitations apply to this project.*

**QUESTION:** Please define the limits if specific limitations have been established for the project?

**ANSWER:** *The following wind limitations apply.*

*Wind Limits*

*(1) During steady state winds of 18 knots [20.7 miles per hour (mph)] or greater or gusts of wind 22 knots (25 mph) or greater, no erection of or work on floats, spiders, and/or scaffolding, nor lifting of personnel in buckets, crane baskets, etc. shall occur.*

*(2) During steady state winds of 20 knots (23 mph) or greater or gusts of wind 25 knots (28.7 mph) or greater, no mobile/portal crane hoisting or crane operations shall occur.*

*(3) During steady state winds of 30 knots (34.5 mph) or greater or gusts of wind 35 knots (40.3 mph) or greater, no work on facility roofs, structure tops, unprotected areas or outside hand rails shall occur and all materials on roofs shall be secured or removed.*

*(4) During steady state winds of 35 knots (40.3 mph) or greater or gusts of wind 40 knots (46 mph) or greater, contractor supervisors shall immediately conduct a walk down of their area for unsecured items.*

*(5) During steady state winds of 40 knots (46 mph) or greater or gusts of wind 45 knots (51.7 mph) or greater, immediate actions shall be taken to secure at ground level all loose or unanchored items, equipment, supplies and/or materials.*

*These wind restrictions shall be implemented based upon the weather warnings for the LC-39 area issued by the EGG duty office.*

**QUESTION:** Please clarify the responsible party for establishing the limit If specific limitations have not been established for the project?

**ANSWER:** *The wind limitations have been established. These wind restrictions shall be implemented based upon the weather warnings for the LC-39 area issued by the EGG duty office.*

**QUESTION:** Please confirm if site specific limits are established or will the project be required to abide by the global center wide wind warnings?

**ANSWER:** *These wind limitations are not specific to the VAB itself. These wind restrictions shall be implemented based upon the weather warnings for the LC-39 area issued by the EGG duty office.*

8. **REFERENCE:** RFP; Section H.12 KSC 52.242-90 - Controls Applicable to the Contractor's Activities (Page 37). KNPR 8715.3 Revision H, 2.2.1 – Lightning (page 25).

**QUESTION:** Please confirm if work activities will be shut down inside the VAB during a Phase 2 if the exterior high bay door is closed?

**ANSWER:** *If the exterior high bay doors are closed, most work activities will not be shut down inside the VAB during a Phase 2 lightning warning. Personnel working inside a facility shall not be exposed to wiring that may conduct electricity from a lightning strike.*

**QUESTION:** Please confirm if work activities will be shut down inside the VAB during a phase 2 if the exterior high bay door is open?

**ANSWER:** *All facility doors shall be closed when a Phase 2 notification is made.*

9. **REFERENCE:** RFP; Section H.12 KSC 52.242-90 - Controls Applicable to the Contractor's Activities (Page 37). KNPR 8715.3 Revision H, Chapter 15: KSC Supplement to NASA-STD-8719.9, NASA Safety Standard For Lifting Devices and Equipment, paragraph 15.2c. pg 168

**QUESTION:** Please confirm is all Contractors performing work on this project shall adhere to this supplement. Please confirm the link for this supplement is noted below:

**http://www.hq.nasa.gov/office/codeq/doctree/87199.htm?**

**ANSWER:** *Yes, all Contractors performing work on this project shall adhere to this supplement. The link identified above is correct.*

**QUESTION:** Please confirm if there is a specific reference or format requirement for preparing lift plans?

**ANSWER:** *There is no specific format but the plan shall be in sufficient detail to identify the specific methods, procedures, equipment and clearances to be utilized to ensure safety of the personnel, systems, facilities and equipment. It should also include all necessary calculations (such as weights and centers of gravity) to ensure equipment, rigging and structures will adequately support the lifting of the items in a safe manner without damaging facilities, systems, equipment or personnel.*

10. REFERENCE: RFP; Section H.12 KSC 52.242-90 - Controls Applicable to the Contractor's Activities (Page 37). KNPR 1820.3 Rev. A - Responsibilities (page 5).

**QUESTION:** Please confirm if each craft / salary person will be required to submit to medical evaluations, under the Hearing Conservation Program (HCP) prior to allowing the individual to report to work?

**ANSWER:** *No. The requirement applies only to those craft / salaried employees identified by the employer as "noise exposed employees", as described in paragraph 2.8.c of KNPR 1820.3.*

**QUESTION:** Please clarify the responsible party for paying for the examination cost if each craft / salary person will be required to submit to medical evaluations, under the Hearing Conservation Program (HCP) prior to allowing the individual to report to work?

**ANSWER:** *The contractor is responsible for all costs in providing the hearing examinations for the affected employees.*

**QUESTION:** Please clarify the per unit cost from the KSC occupational Medical Officer if the contractor is required to pay for this cost directly?

**ANSWER:** *The KSC Occupational Health Facility will not provide evaluations. These services are available from 3<sup>rd</sup> party occupational medicine service providers.*

11. REFERENCE: General Payment Related.

**QUESTION:** Please clarify if NASA will allow and approve partial progress payments for material fabricated off-site?

**ANSWER:** *The Government will not approve partial progress payments until the materials are delivered to the project site.*

12. REFERENCE: Building Configuration – Fire Detection System.

**QUESTION:** The RFP requires hot work activities (welding / other). Please confirm if the Fire Detection System in Highbay 3 will be deactivated during construction to avoid these hot work activities activating the alarm?

**ANSWER:** *The fire detection in Highbay 3 on the Extensible platforms will be deactivated for the demolition; however there is fire detection and fire sprinklers in the adjacent towers. When obtaining the hot work permits the permit will identify all requirements for deactivating fire detection systems in the areas of work. Deactivation of the fire detection systems will be performed by others under as separate contract.*

13. REFERENCE: J.1.B.13 Conference Space/ Field Office for Government Personnel

**QUESTION:** Please provide the responsibility for each NASA staff member (25ea) (i.e. Management, Quality Control, Inspection, Escorts etc)?

**ANSWER:** *The responsibilities for each of the NASA staff members in the field office are not determined at this time. It is not necessary for the Contractor to know this information in order to provide the office space necessary. See the revision of contract clause J.1.B.13 in this amendment.*

14. REFERENCE: Submittal Procedures – 01 33 00 section 1.4.3

**QUESTION:** Please confirm the submittal review period, beginning with receipt by approving authority, includes at least 15 working days for submittals for QC Manager Review and 20 working days for submittals for Contracting Officer approval resulting in a total review period of 35 days?

**ANSWER:** *No, the submittal review period for the Contracting Officer is 21 calendar days after submittal per Section J.1.A.2 of the RFP. The submittal review period noted in Specification 01 33 00 1.4.3 is superseded by Section J.1.A.2. The 15 days is for the Contractor's scheduling purposes and to ensure that the Contractor's QC Manager reviews the correctness and completeness of submittals prior to submitting to the Contracting Officer.*

**QUESTION:** Please confirm that the 'QC Manager' referred to is the Contractor's employee?

**ANSWER:** *YES, the QC Manager is the Contractor's employee.*

**QUESTION:** Please confirm that the 20 working days stated for the Contracting Officer review of submittals is a not to exceed duration?

**ANSWER:** *The Contracting Officer submittal review period is 21 calendar days. Yes this is a not to exceed duration.*

15. REFERENCE: General Operation of existing High Bay Door.

**QUESTION:** Please confirm if the High Bay Door operation will be turned over to the Contractor for control during the entire project?

**ANSWER:** *The High Bay has four doors that are each approximately 38 feet wide by 110 feet tall that move horizontally, Horizontal Doors (HD), and seven doors that are approximately 75 feet wide by 50 feet tall that move vertically, Vertical Lift Doors (VLD). The Vertical Lift Doors will not be turned over to the Contractor. Operation of the Horizontal Doors will be turned over to the Contractor. The Contractor shall operate the doors in accordance with the VAB operations requirements. Operational control of the doors will be coordinated at the daily VAB scheduling meetings so as to avoid conflicts between contractors and KSC Operations. The Contractor shall provide access to the Government to perform annual maintenance inspections and repairs on the Horizontal Doors and the Vertical Lift Doors.*

**QUESTION:** Please clarify the training requirements to operate the High Bay Door if the operation is turned over to the Contractor?

**ANSWER:** *Operational training for the Horizontal Doors can be provided to key personnel, in an hour or two.*

**QUESTION:** Please confirm if NASA will operate these doors as needed during construction if the high bay door will not be turned over to the Contractor?

**ANSWER:** *Doors will be operated by NASA or permission provided to the Contractor as coordinated in the scheduling meetings.*

16. REFERENCE: RFP, Attachment J.1.C Project Specific KSC Requirements pages 19, 20, item 6, existing platform demolition Joint Occupancy.

**QUESTION:** Please provide a specific schedule communicating the intended activities during the 160 calendar day Joint Occupancy existing platform demolition phase of the contract.

**ANSWER:** *The demolition of the existing platforms will be performed by the current O&M contractor. The initial few weeks will be used to safe and disconnect existing services and facilities. Once disconnected the O&M contractor intends to use the 350 ton overhead crane and remove all the platforms. The platforms will be disassembled in the laydown yard. A detailed schedule will not be provided until after the demolition contract is awarded.*

**QUESTION:** Please confirm if the new platform and emergency egress contractor will have restricted access to areas during the existing platform demolition by others?

**ANSWER:** *Yes, there will be joint access capability during the demolition phase.*

**QUESTION:** Please confirm if the contractor will have access to the demolition platform documents prior to bidding the new platform and egress work?

**ANSWER:** *The drawing 10C00011 and specification 10C00012 have been provided on [www.fbo.gov](http://www.fbo.gov) with solicitation amendment 2. Drawing 10C00011 and specification 10C00012 were provided for reference only. The work depicted in drawing 10C00011 and specification 10C00012 is not part of this contract.*

**QUESTION:** Please confirm if the demolition platform contractor will be responsible for their own hazardous and air monitoring required during platform demolition?

**ANSWER:** *Yes, the demolition contractor will be responsible for their own hazardous and air monitoring during platform demolition.*

**QUESTION:** Please confirm if the existing platform demolition contractor will be responsible for abating and patching steel connections at their existing platform demolition work?

**ANSWER:** *Yes, the demolition contractor will be responsible for abating and patching steel connections for their platform demolition work.*

**QUESTION:** Please confirm if the High Bay and Emergency Egress Contractor will have control of High Bay door operation during the existing platform demolition by others and during GSE joint occupancy?

**ANSWER:** *No. The High Bay doors will not be turned over to the Contractor. Operational control of the doors will be coordinated at the daily VAB scheduling meetings so as to avoid conflicts between contractors and KSC Operations. Needs should be coordinated as far in advance as possible to allow for scheduling and avoid conflicts.*

17. **REFERENCE:** Attachment J.1.C Project Specific KSC Requirements pages 19, 20 item 6, GSE Joint Occupancy.

**QUESTION:** Please provide a schedule communicating the intended activities during the GSE Joint occupancy 556 calendar days after award)?

**ANSWER:** *In order to meet mission requirement dates, NASA must start GSE and IT work functions by July 25, 2011. NASA recognizes that the contractor will not be done by this date but needs to have joint access to begin work. The work that the contractor needs to have essentially complete, are the two IT rooms in E tower and the electrical raceway infrastructure associated with them. The execution schedule being submitted by the contractor for approval must reflect this very important joint performance function.*

18. **REFERENCE:** RFP Section F Deliveries on performance, paragraph F.4 Work Period.

**QUESTION:** Please confirm if NASA will allow Night Shift work?

**ANSWER:** *After contract award the Government may consider proposals for alternate work periods that result in successful completion of the work within the contract performance period. Alternate work periods shall be at no additional cost to the Government and may require Contractor reductions to account for additional Government labor costs.*

19. **REFERENCE:** RFP Section F Deliveries of Performance, paragraph F.5 KSC 52.236-132 Downtime and Excavation Holds.

**QUESTION:** Please confirm the total down time hours to be considered one down day. Note that a two hour delay in the morning will most likely result in construction activities being delayed for an entire day?

**ANSWER:** *Down time policy will be implemented in accordance with KSC 52.236-132 paragraph F.5. Down days mean that the contractor will not be given access to the work site. If partial access is given to the contractor, this does not constitute a down day. The contractor shall plan his work to provide flexibility in scheduling and location of work to minimize the effects of partial access.*

20. **REFERENCE:** Attachment J.1.C, paragraph J.1.C.6.7 (Pg 4) To the maximum extent possible, abrasive blasting and painting shall be performed before materials are delivered to KSC.” and Drawings S-001 Structural Design Criteria, note 8d “Any abrasive blasting is not to be allowed.”

**QUESTION:** Please confirm the abrasive blasting project requirements (i.e. not allowed or will be performed or performed before delivered to the maximum extent possible?

**ANSWER:** *Abrasive blasting is allowed in general, but not in the VAB. The full note on sheet S-001 “Structural Design Criteria” note 8d is “Abrasive blast cleaning is not to be performed inside of the VAB.” This is to prevent particles from contaminating Shuttle flight hardware.*

21. **REFERENCE:** General

**QUESTION:** Please provide a grading plan if possible for the site lay down area as there appeared to be water retention areas visible on the site tour.

**ANSWER:** *Topographic information for the construction laydown area is not available.*

22. **REFERENCE:** Section C Description/Specification/Work Statement. Paragraph C.1 Scope of Work, "Other systems and services to be installed...."

**QUESTION:** Please provide information on the oxygen monitoring systems indicated in the Summary of work.

**ANSWER:** *The ODMS equipment is Government furnished and installed. ODMS panels shown on floor plans E-210 thru E-213 are for information only. Contractor shall provide power as indicated. This was clarified in Revision A of the drawing.*

23. **REFERENCE:** Attachment J.1.C Project Specific KSC Requirements, J.1.C.8. Government Furnished Equipment To Be Installed By the Contractor.

**QUESTION:** Please clarify that the referenced sheet M-003 should be M505?

**ANSWER:** *Yes, the referenced sheet should be M-505. See Revision A to Drawings.*

**QUESTION:** Please clarify that the Government Furnished Equipment speakers are referenced on electrical documents?

**ANSWER:** *See Riser sheet E-604 Specific Note S and Power and Systems Floor Plans. Speakers are Government Furnished, Contractor Installed.*

24. **REFERENCE:** Attachment J.1.C Project Specific KSC Requirements, paragraph J.1.C.10 Air Monitoring During Construction and Specification Section 01 57 20.00 10 Environmental protection, pg59.

**QUESTION:** Please clarify the requirements for exhausting all fumes from construction activities inside the VAB as the open exterior high bay door may result in a wind tunnel effect that will cause fumes to circulate inside the building?

**ANSWER:** *These references do not address exhausting fumes from construction activities. Paragraph J.1.C.10 provides guidelines for minimizing pollutant emissions. Page 59 of the Specifications addresses used oil, fuel, lubricants, etc. comply with the contract documents.*

25. **REFERENCE:** Reference VAB Platforms Contract Drawing SD-104 flag note F which states to “remove cable tray support frames connected to existing elevator access platforms.”

**QUESTION:** Please confirm if these frames can be removed flush with the existing siding or will the siding need to be removed to cut the support frames from the existing structural and the siding patched back?

**ANSWER:** *The frames are not attached to the siding and can be removed without affecting the existing siding.*

26. **REFERENCE:** VAB Platforms Contract Drawing S516 detail RZ which indicates “existing column bolt holes at 6” on center.”

**QUESTION:** Please confirm if these holes are existing and confirm if these holes are to be utilized for attachment of the new mounting brackets?

**ANSWER:** *Yes, these are existing bolt holes and they are to be used for the new mounting brackets.*

**QUESTION:** If the answer is yes above, please confirm if abatement will be required?

**ANSWER:** *Since it is just for bolting, abatement is not required.*

27. **REFERENCE:** VAB Platforms Contract Drawing S505 and detail EV on S503.

**QUESTION:** Please provide detail for column penetration through cellular deck.

**ANSWER:** *See sheet S-501 for edge conditions where the deck has to stop. Additional details regarding deck penetrations are on sheet S-557A.*

28. **REFERENCE:** VAB HB Platforms, Drawing A-301, Specific Note B.  
“Modification of elevator programming controls shall be made by the Government.”

**QUESTION:** Please confirm the Government schedule for this elevator control related work and any constraints regarding elevator down time related to this work?

**ANSWER:** *The elevators will not be turned over to the Contractor and the Government will be responsible for maintenance and inspection of the elevators. The Contractor shall coordinate his schedules with the Government, sufficiently in advance, to allow the Government time to perform the needed modifications and support any activities. Elevators may need to be out of service for regular maintenance and testing. This will be coordinated by the Government at the daily VAB meetings.*

29. **REFERENCE:** VAB Platforms Section 05 30 00, paragraph 2.3.2 Paint Bottom of Deck.

**QUESTION:** Please confirm if this requirement is a shop applied or field applied application?

**ANSWER:** *Painting of the bottom of the deck and any other steel to be painted will be shop applied and touched up in the field.*

30. **REFERENCE:** VAB Egress Contract Drawing A-110 & A-502 details BF & BJ.

**QUESTION:** Corridor C28F3 on sheet A-110 references sections BF & BJ on A-502. BF indicates a concrete slab with a Type 2 ceiling. BJ indicates Type 4 on the ceiling and below the corridor floor. Please clarify which detail is correct for the ceiling and floor shaft wall structures?

**ANSWER:** *Section BF indicates the correct ceiling type and shaft wall structures. Section BJ is incorrect at this location was corrected in Revision A of the drawing.*

31. **REFERENCE:** Attachment J.1.C Project Specific Requirements, paragraph J.1.C.18 VAB Security Access Requirements.

**QUESTION:** Please confirm if escorts will be required to maintain "line of sight" with unescorted escorts?

**ANSWER:** *The requirement according to Security KNPR1600.1 Rev A, section 16.6.d states: "Escorts are responsible for maintaining physical control of personnel they are escorting."*

**QUESTION:** Please confirm if the maximum number of workers for which one escort may be responsible?

**ANSWER:** *Security KNPR1600.1 Rev A, section 16.6.d indicates "Normally, escorts are limited to escorting no more than five personnel at one time." . Section J.1.C.18.2.a states that the "Contractor shall provide a minimum of six (6) escorts. ... The escort's only duty shall be to monitor and control the entry and exit activities of all the construction personnel they are assigned to escort." An*

*adequate number of escorts must be provided to maintain control of the personnel working in the controlled area.*

32. **REFERENCE:** Section H Special Contract Requirements, item 5. VAB Access, (pg 36). "Contractor personnel require access to Controlled Areas (VAB High Bay 1-3 (Area 1-4, 39, 70, 71, and 72). Temporary Area Access permits (TAA's) are required. The Government will provide interim unescorted access investigations at no cost for 6 contractor employees. Note: TAA permit requests must be submitted to the Construction Office (FAX 867-2496) at least 24 hours prior to need date."

**QUESTION:** Please provide the cost, maximum quantity possible and process required (i.e., registered training) for a quantity greater than 6ea. Note that the Contactor's and their Subcontractor's on site staff and individual hourly craft (i.e., foreman) will require unescorted badges.

**ANSWER:** *The cost of badging is \$100 per person. Refer to KNPR 1600.1 Chapters 15 and 16 for additional badging and area access information. KNPR 1600.1 can be accessed at the following website:*

*<http://tdglobal.ksc.nasa.gov/ReferencedDocuments/>*

*RFP section H.7 containing KSC 52.204-96, provides a very detailed listing of the security process and document requirements, which must be successfully executed, prior to anyone gaining access to KSC.*

33. **REFERENCE:** General, Welding procedures.

**QUESTION:** Please confirm the specific restrictions that apply to welding, grinding, or burning activities?

**ANSWER:** *Requirements for welding, grinding and burning related to metal work are included in specifications in Division 5. Additional specific requirements for welding, grinding and burning (hot work) will depend on the type and location of work. A burn permit is required and will contain specific requirements based on the specific application.*

**QUESTION:** Please confirm the specific requirements for catching welding sparks?

**ANSWER:** *Use a protective blanket to contain sparks and protect all government property and all personnel. Additional requirements may be contained in the burn permit.*

34. **REFERENCE:** General, Tethering Requirements.

**QUESTION:** Please confirm the requirements governing tethering of tools, glasses, rings?

**ANSWER:** *The Contractor shall comply with his own safety plan. If working in an area with processing operations, the Contractor shall comply with operational tethering requirements (tether all tools, glasses, rings, no loose objects above the waist).*

**QUESTION:** Please confirm if the tethering requirements will be in effect during the entire construction schedule including Existing demolition of platform and GSE work?

**ANSWER:** *Yes, the tethering requirements will be in effect during the entire construction schedule including existing demolition of platform and GSE work.*

35. **REFERENCE:** General, Project access.

**QUESTION:** Please confirm if the North gate will be open for access and available 7 days per week?

**ANSWER:** *No, the North gate will not be open for access and available 7 days per week. The gate will be available during the contract work period (7:00 AM to 3:30 PM Monday to Friday). Special access may be coordinated with the Contracting Officer for due consideration.*

36. **REFERENCE:** General: Radios and Cell Phones

**QUESTION:** Please confirm if radios and cell phones will be permitted for use inside the VAB during the entire construction schedule?

**ANSWER:** *Cell phone and radio use is per RFP Section J.1.C.17. There will be periods where use of cell phones and radios will not be permitted due to VAB operations. These periods will be coordinated at the VAB daily morning meeting.*

37. **REFERENCE:** General: Temporary work platforms

**QUESTION:** Please confirm if temporary work platforms utilized during the performance of work require a Florida Profession Engineer signature and seal?

**ANSWER:** *The Government cannot provide specific requirements for unknown types of work platforms. Scaffolding requirements are per OSHA and KSC requirements as noted elsewhere. Other platforms will require coordination with specifics and will be addressed with the Contractor after contract award.*

38. **REFERENCE:** Specification 01.42.00 – Sources for Reference Publications

**QUESTION:** The referenced specification lists the Kennedy Space Center Document Library as the source for ordering/obtaining KSC standards and referenced publications.

We contacted the KSC Document Library and were informed the Document Library could not provide assistance with KSC standards. The library stated they had not provided such assistance in some 10 years and if an offeror was assisted then assistance would have to be provided to the other Vehicle Assembly Building RFP offerors.

How do we obtain KSC documents and standards referenced in this RFP?  
Please provide a point of contact?

**ANSWER:** *KSC Standards and reference documents can be obtained at the following websites:*

<http://tdglobal.ksc.nasa.gov/ReferencedDocuments/>

<http://standards.nasa.gov> (Log in is not required. Click on the “NASA Standards” link.)

39. **REFERENCE:** Drawings E-603 and E-204 (Specific Note F)

**QUESTION:** Drawing E-603 shows (2) 2-1/2” conduits from the end of the new platform cable tray to the existing KITS enclosures’ cable tray. On the floor plans, such as drawing E-204 (Specific Note F), the corresponding note calls out the conduits as (2) 2”. Please clarify which is correct.

**ANSWER:** *The (2) 2½” conduit size is correct. Floor plans referencing the 2” conduits have been updated to (2) 2½” conduits in Revision A of the drawing.*

40. **REFERENCE:** FA-001 (10C00003 and 10C00007) and E-001 (10C00003 and 10C00007)

**QUESTION:** General Note 8 on Platforms Drawing FA-001 (and Note 6 on Egress Drawing FA-001) calls for strain relief for all vertically installed (FA) conductors. No minimum height requirement is included. Please confirm if strain reliefs are required for vertical runs over 100’ in length installed at maximum distances of every 100’ as called for in the electrical drawings (reference E-001 Note 6).

**ANSWER:** *The contractor shall only provide strain relief for vertically installed conductors where required by the National Electric Code (NEC) (reference NEC Article 300 Paragraph 300.19) and as recommended by the manufacturers. Strain relief shall be installed as specified by the NEC.*

41. **REFERENCE:** Specification 28 31 00.01 98, part 3.5

**QUESTION:** The specifications call for all fire alarm equipment and appurtenances to be painted red. We assume this does not apply to the fire alarm conduit or supports for conduit, equipment or devices. Please confirm.

**ANSWER:** *Fire alarm devices such as pull stations, speakers, strobes, and all junction or pull boxes are required to be painted red. Conduit, fittings, hangars, and the like are not required to be painted red. Clarification was provided in Revision A of the specifications.*

42. **REFERENCE:** Platform Drawings E-210, E-211, E-212 and E-213

**QUESTION:** On each of the above referenced drawings, there are (2) Enclosures labeled ODMS near Column Line 5-D. Please clarify what the ODMS enclosures are and who is to provide and install them.

We assume the contractor is to provide the non-fusible disconnects and run the conduit and wire to the disconnects and enclosures as indicated. Please confirm.

**ANSWER:** *As indicated on drawing E-001, ODMS stands for Oxygen Deficient Monitoring System. The ODMS equipment will be provided and installed by the Government. Space as indicated on the referenced drawings is to be reserved by the Contractor. Power to the disconnect switches and the disconnect switches shall be provided by the Contractor. Conduit and wiring to the ODMS panels from the disconnect switches will be provided by Others. See Revision A of the drawings for clarification.*

### **Section 3 Amend RFP, Drawings 10C00003**

**REFERENCE:** RFP, Page 7, Section C.2, CONTRACT DRAWINGS, MAPS AND SPECIFICATIONS, Paragraph (b), Addenda to Specifications and Drawings

Drawing 10C00003, sheet FA-001; change Note 8 as follows:

**From:** "8. Provide strain relief for all vertically installed conductors. Install Kellem Grips (or approved equal) on each end of the cables connecting to the platforms."

**To:** “8. Provide strain relief for all vertically installed conductors where required by the National Code (NEC) (reference NEC Article 300 Paragraph 300.19) and as recommended by the manufacturers. Strain relief shall be installed as specified by the NEC.